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Ionization of Gases and Their Breakdown Strength,
by I. M. Gokhberg, E. Ya. Zandberg.

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1946, pp 515-518.

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Generalized Equation of Chemical Kinetics and Its Application to Reactions with Participation of Solids, by B. V. Yerofeyev, 6 pp.

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S-176/60 (SF-1064)

Heterogeneous Catalysis in Polymolecular Adsorption Layers, by V. I. Gol'danskiy, N. N. Semenov, N. M. Chirkov, 4 pp.

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The Bending of a Circular Plate With an Eccentric Opening (Hole) by a Concentrated Force (Theory of Elasticity), by N. V. Kudryavtsev. 7 pp

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STRUCTURE-FORMING MIGRATION OF REGENERATIVE MATERIAL IN THE HYDRA, tr. by Zelda D. Knowles. 12 Sep 51, 8p. (3 figs. omitted) 6 refs.
Order from OTS or SLA $1.10 61-28013

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1946, v. 53, no. 4, p. 373-376.

DESCRIPTORS: Biology, *Regeneration, *Radiation effects, X-rays, Tissues (Biology), Cells (Biology), Mitosis, *Radiobiology.

Tests showed that a dose of 5,000 roentgens completely suppresses the regenerative capacity in pelmatohydra oligactis on the ninth day after exposure. The sensitivity of P. oligactis to the effect of the roentgen rays depends on the time of year. In the fall of the year (Biological Sciences--General, TT, v. 7, no. 4) (over)

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"A Tentative Indirect Determination of the Velocities of the Trade Winds in the Equatorial Pacific", V. B. Shtokman

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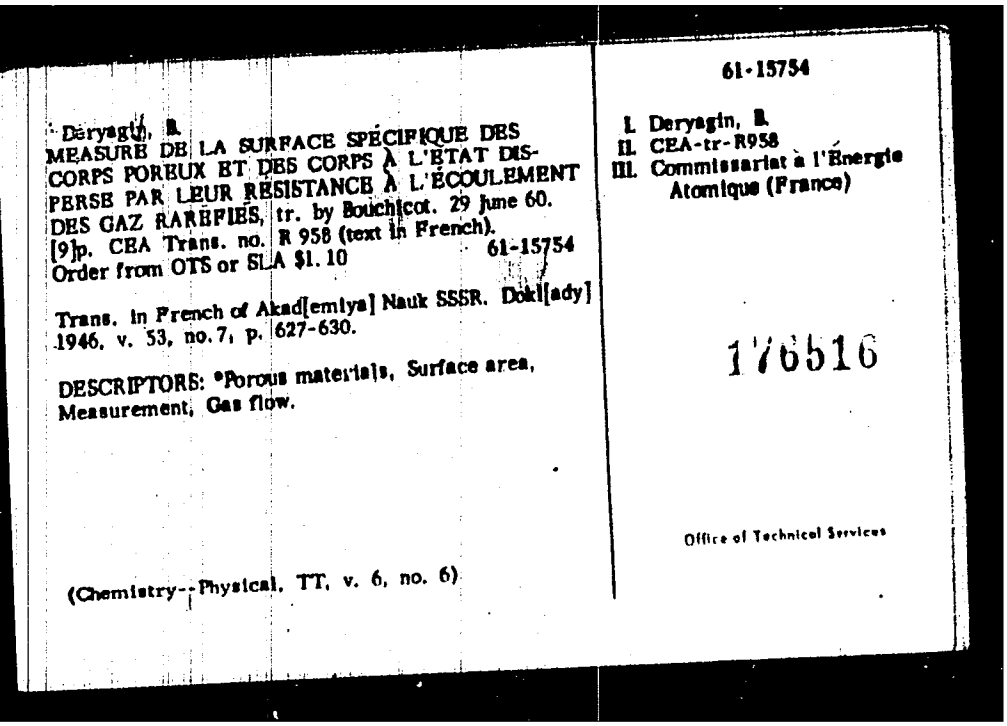

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Trans. in French of Akad[emiya] Nauk SSSR. Dokl[ady] 1946, v. 53, no. 7, p. 627-630.

DESCRIPTORS: *Porous materials, Surface area, Measurement, Gas flow.

(Chemistry--Physical, TT, v. 6, no. 6)

61-15754

I. Deryagin, B.
II. CEA-tr-R958
III. Commissariat à l'Énergie Atomique (France)

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DERYAGIN B.

Measuring the specific area of porous substances and powders by their resistance to low-pressure gas flow

Mesure de la surface spécifique des corps poreux et des corps à l'état dispersé par leur résistance à l'écoulement des gaz raréfiés

Dokl. Akad. Nauk, 53, No. 7, 627-630 (1946)

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Reaction of Catalytic Alkylization of Benzene by Propylene and Ethylene, by A. V. Topchiev, et al.

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On a More Accurate Solution of Reynolds' Equations, by N. A. Slezkin. UNCL

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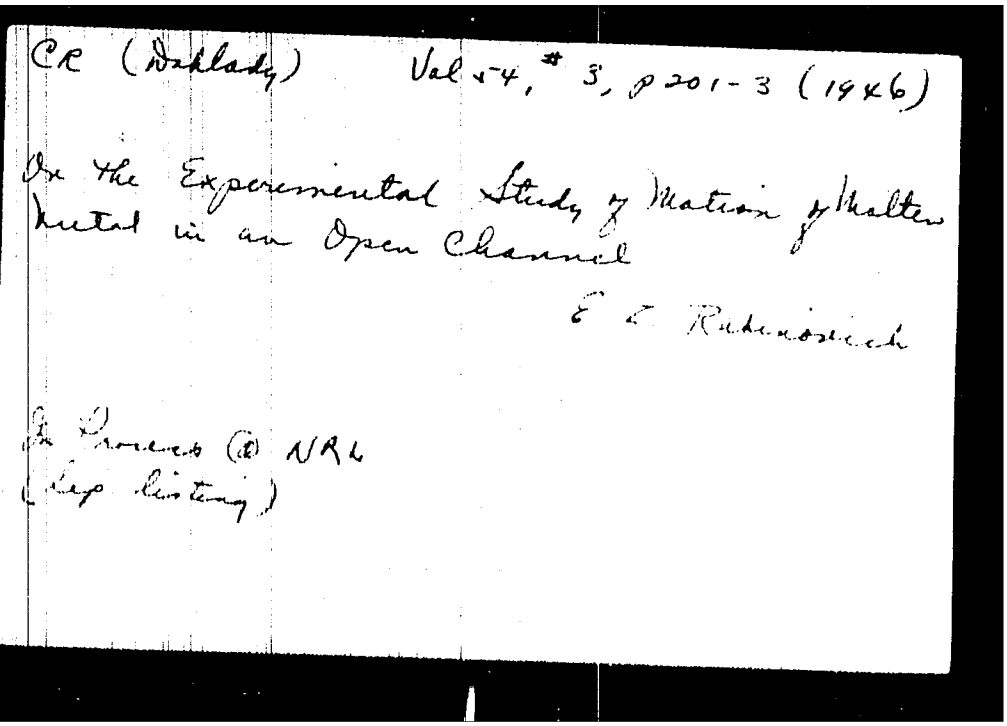

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On the Experimental Study of Motion of Molten Metal in an Open Channel

E. V. Rukavishnikh

In Russian (to NRL (Dep Listing))

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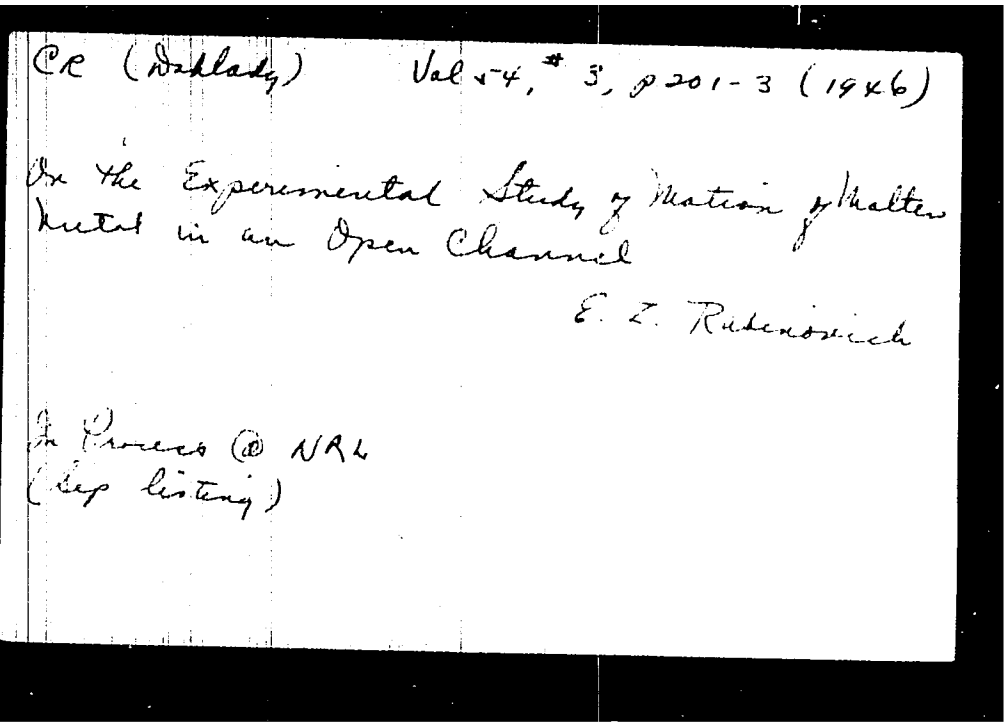

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On the Experimental Study of Motion of Matter Inside in an Open Channel

E. Z. Rudenovich

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"Characteristic Features of the Coastal Circulation in the Sea, and Their Connection with the Transverse Non-uniformity of the Wind," V.B. Shtokman

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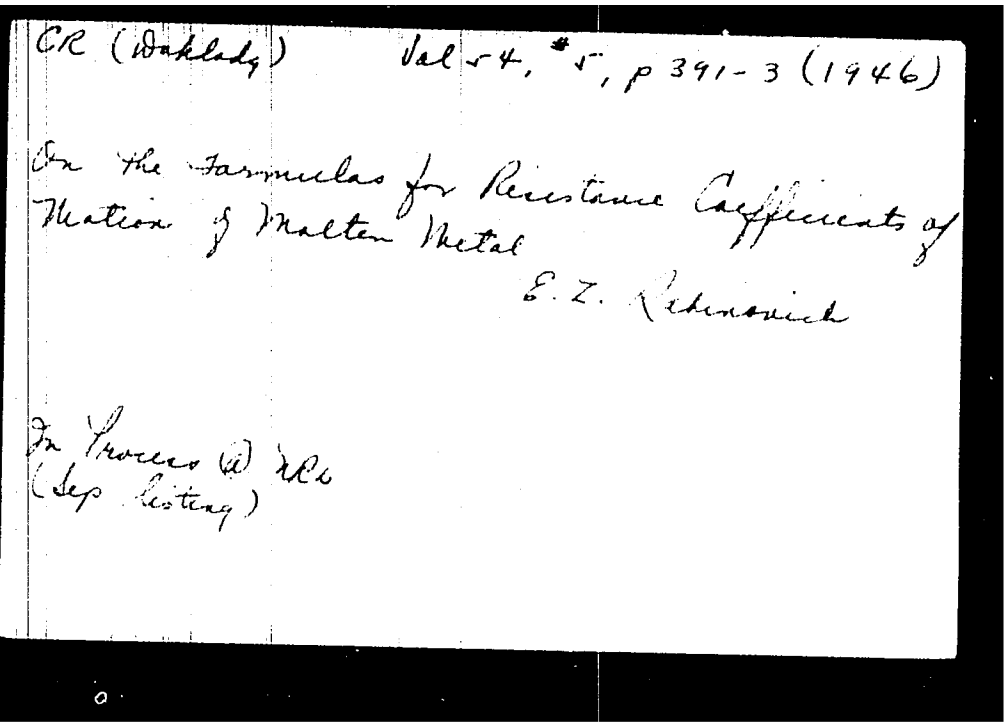

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On the Formulas for Resistance Coefficients of Motion of Molten Metal

E. Z. Lebinovich

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On the Formulas for the Coefficient of Resistance in the Movement of Molten Metals.

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"Equations of a Field of Total Flow Induced by the Wind in a Non-homogeneous Sea"; V.B. Stokman

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"On the Breakdown of Gases of Varying Dielectric Strength"

L.N. Dobretsyov

Done in G.B.

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On Turbulent Flow in Rough Tubes, by
V. G. Nevzgljadov.

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On the Cooling of an Inhomogeneous Body, by A. Datsev, 5 pp.

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"The Determination of Eigenvalues and Eigenfunctions of Certain Operators by Means of a Recurrent Circuit"

L. A. Lusternik, A. M. Prokhorov

ST-100
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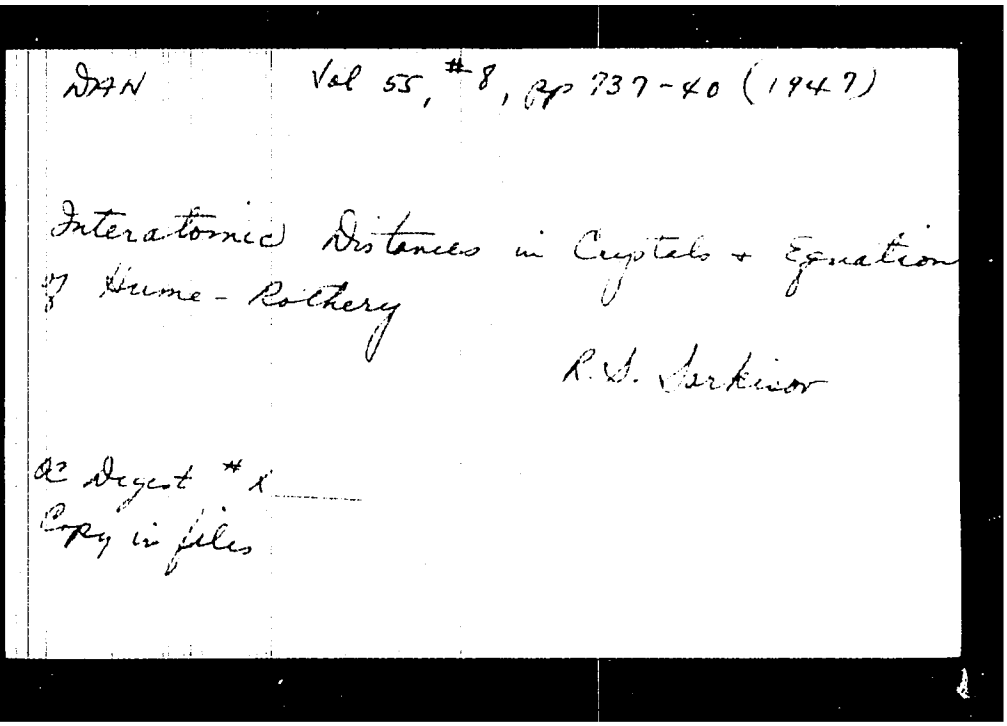

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by Grime-Rothery

R.A. Sarkisov

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The Emission From an Electron Moving in Proximity to a Dielectric, by V. L. Ginzburg.

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Mechanism of Ejection of Geoactive Corpuscles From the Surface of the Sun, by E. P. Mustel, 4 pp.

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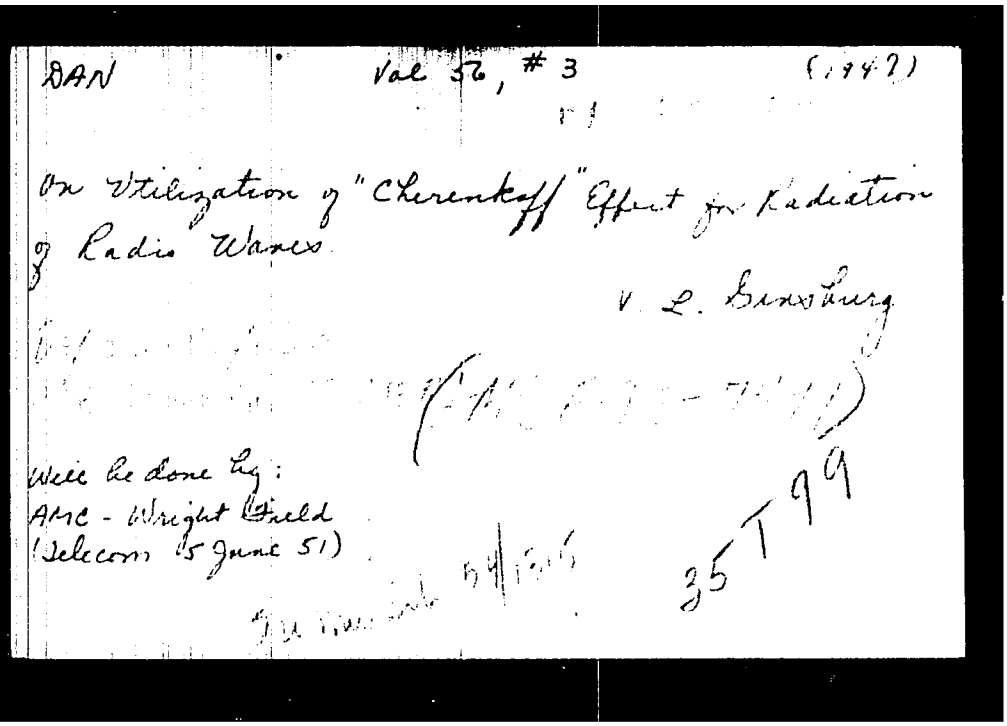

DAN Vol 36, # 3 (1947)

On Utilization of "Cherenkoff" Effect for Radiation of Radio Waves

V. L. Ginzburg

Work be done by:
AMC - Wright Field
(Telecom 5 June 51)

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On the Cooling of a Rod Which Consists of
Two Homogenous Portions of Finite Length,
by A. Datsev, 7 pp.

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Electrical Discharges in Cavitation, by V. A. Konstantinov, 3 pp.

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4 pp

"Determination of the Surface of a Body of Rotation with a Given Determined Pressure"

I. I. Eterman

7025
AR 25 Mar 49
Not published
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Doklady Akademii Nauk Sssr, vol. 56, 1947, no. 5, pp. 477-480; 3 figures, 1800 words.

Method of Welding Metals by Separate Processes of Fusion.

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DEPENDENCE OF COMBUSTION RATE OF PRIMING EXPLOSIVES UPON PRESSURE. [1963] 6p 12refs
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DESCRIPTORS: *Combustion, *Primers, Pressure, Mercury compounds, Fulminates, Nitrobenzenes, Azo radicals, Polycyclic compounds, Acetones, Peroxide, *Explosive materials.

(Chemistry--Physical, TT, v. 11, no. 4)

TT-63-20657

I. Belyaev, A. F.
II. Belyaeva, A. E.

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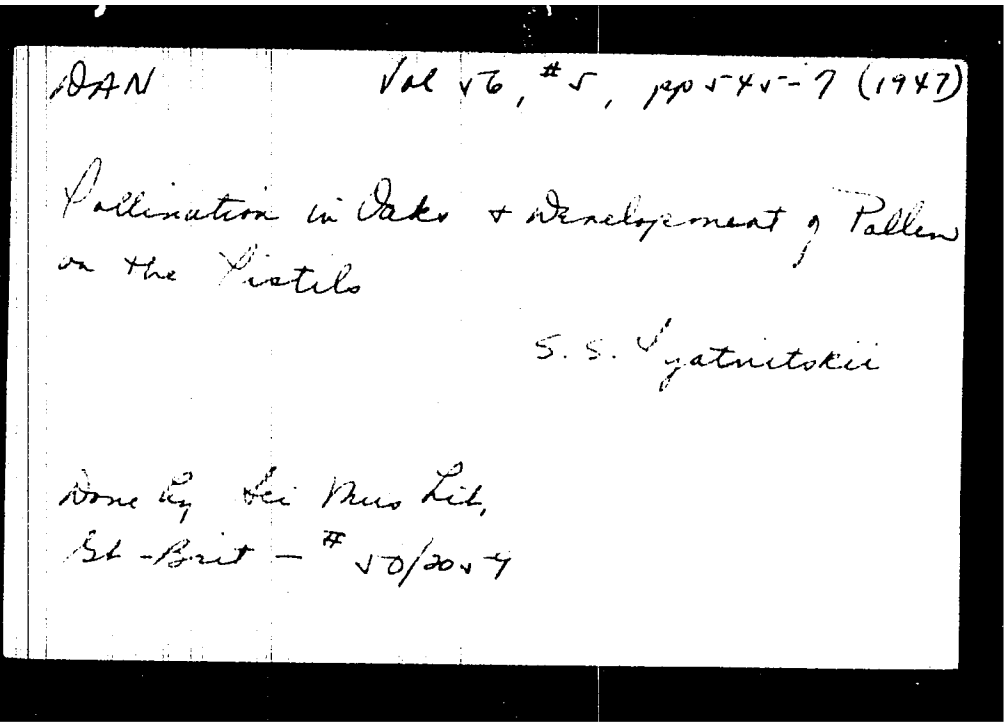

DAN Vol 56, #5, pp 745-747 (1947)

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S. S. Vyatnitskii

Done by Sci Res Lit,
St-Brit — # 10/20/47

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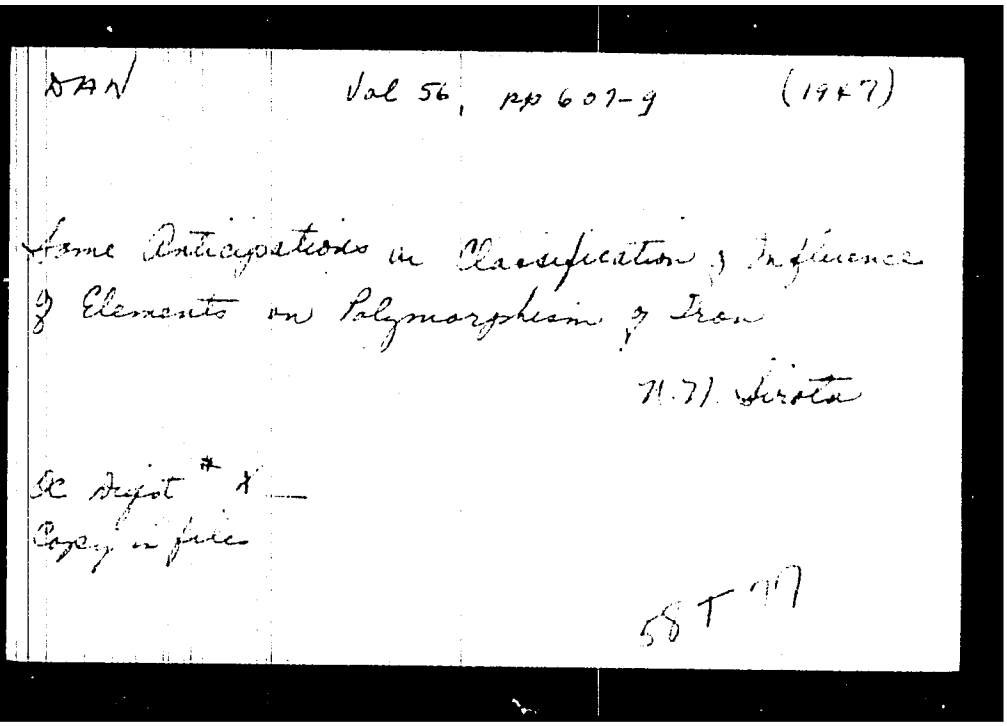

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N.V. Belov

See Digest * 1
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by K. P. Stanyukovich, V. V. Fedynskiy.

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DAN Vol 57, # 3, pp 369-370 (1947)

Influence of Parameter Variations of Lattice of Supercooled Austenite on Temperature of Beginning of Martensite Transformation in Iron - Carbon Alloys

V. D. Sadovskiy
M. V. Yakutovich

QC Digest # X____
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Order from OTS or SLA $1.10 63-14390

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DESCRIPTORS: *Combustion, *Primers, Pressure, Mercury compounds, Fulminates, Nitrobenzenes, Azo radicals, Polycyclic compounds, Acetones, Peroxide, *Explosive materials.

(Chemistry--Physical), TT, v. 10, no. 5)

63-14390

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STUDY OF POLYMOLECULAR ADSORPTION AND CONDENSATION OF VAPOR ON GLASS BY AN OPTICAL METHOD. [1961] 4p.
Order from ATS $8.70 ATS-17N49R

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(Chemistry--Physical, TT, v. 5, no. 10)

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3. Glass--Adsorptive properties
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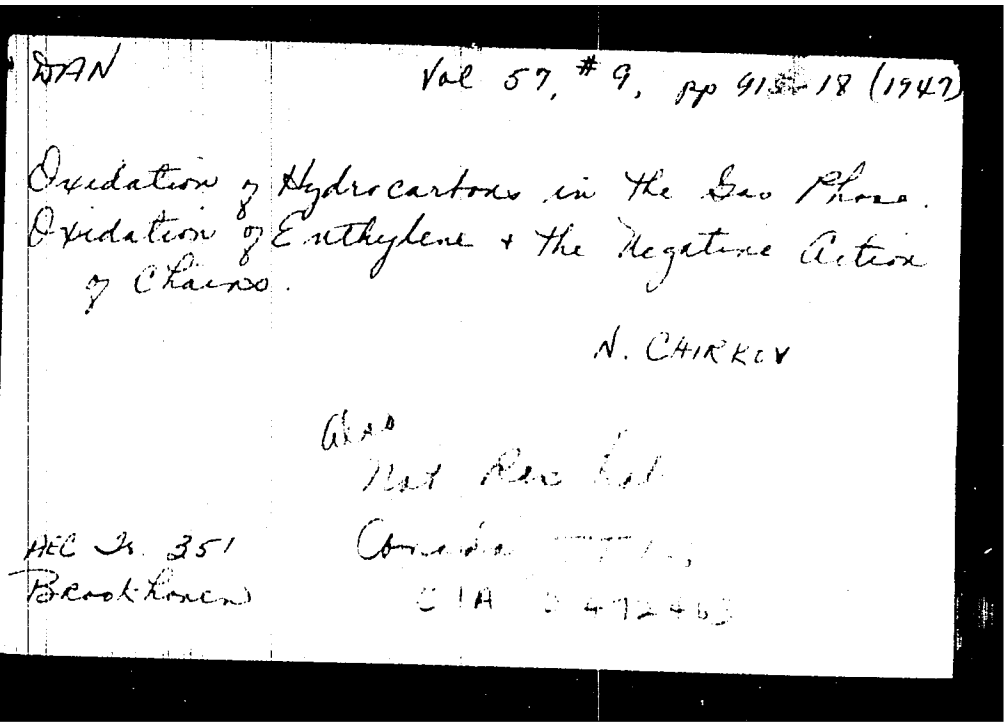

DAN Vol 57, # 9, pp 915-18 (1947)

Oxidation of Hydrocarbons in the Gas Phase.
Oxidation of Ethylene + the Negative Action
of Chains.

N. CHIRKOV

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Comdr [illegible]
CIA [illegible]

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Brookhaven

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*OTS 63-11059
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Scientific - Geophysics

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